

Abstract of the Disclosure

SUSPENSION LEVELING SYSTEM

- [19] In the operation of work machines of the type required to carry heavy loads over uneven ground conditions, it is oftentimes desirable to provide the work machine with a way to automatically maintain the chassis in a substantially horizontal condition. The present invention provides a work machine having a chassis and at least one elongate member having a first end rotatably coupled with the chassis. Also provided is a controller and a position sensor coupled to at least one of the elongate members which generates a position signal indicative of an orientation of the elongate member relative to the chassis and relays the position signal to the controller. The controller, in response to the position signal, determines an actual height of the chassis from the position signal and adjusts the actual chassis height to conform to a controller-inputted desired chassis height.